

NON TANK PRESSURIZING FAST FILL RECEIVER AND SYSTEM FOR  
VEHICLES

ABSTRACT OF THE DISCLOSURE

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5 A refueling system for vehicles including a dual valve receiver  
connected in fluid communication with the fuel tank, and a jet sensor inside of the  
fuel tank and in fluid communication with the receiver. The refueling system  
further includes a relief valve vent in fluid communication with the fuel tank to  
vent the fuel tank and to relieve pressure that may otherwise build up inside the  
fuel tank during refueling. When refueling with an automatic shutoff nozzle, the  
sensor detects when a desired fuel level has been reached, and then informs the  
receiver to prevent fuel flow into the tank. When this occurs, the pressure inside  
the receiver and automatic shutoff nozzle increases, causing the nozzle to shut off  
10 automatically.